

## Connecting via Winsock to STN

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LOGINID: sssptau121bd

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JUL 12 BEILSTEIN enhanced with new display and select options,  
resulting in a closer connection to BABS  
NEWS 4 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display  
fields  
NEWS 5 AUG 02 CAplus and CA patent records enhanced with European and Japan  
Patent Office Classifications  
NEWS 6 AUG 02 The Analysis Edition of STN Express with Discover!  
(Version 7.01 for Windows) now available  
NEWS 7 AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage  
NEWS 8 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal  
status data from INPADOC  
NEWS 9 SEP 01 INPADOC: New family current-awareness alert (SDI) available  
NEWS 10 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
STN Express with Discover!  
NEWS 11 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX  
NEWS 12 SEP 27 STANDARDS will no longer be available on STN  
NEWS 13 SEP 27 SWETSCAN will no longer be available on STN  
NEWS 14 OCT 28 KOREAPAT now available on STN  
  
NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 14:38:48 ON 09 NOV 2004

=> fil req

FILE 'REGISTRY' ENTERED AT 14:39:05 ON 09 NOV 2004

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'Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 NOV 2004 HIGHEST RN 777024-10-9  
DICTIONARY FILE UPDATES: 8 NOV 2004 HIGHEST RN 777024-10-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

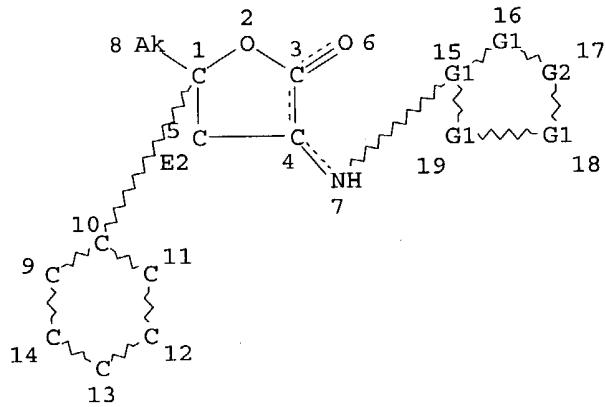
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

\*\*\* YOU HAVE NEW MAIL \*\*\*  
.REGISTRY' IS DEFAULT FORMAT FOR 'REGISTRY' FILE

=> => d sia  
L1 HAS NO ANSWERS  
L1

STR



VAR G1=C/N  
REP G2=(1-2) C  
NODE ATTRIBUTES:  
HCOUNT IS E2 AT 5  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

=> s 11  
SAMPLE SEARCH INITIATED 14:56:43 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 67 TO ITERATE

100.0% PROCESSED 67 ITERATIONS  
SEARCH TIME: 00.00.01

6 ANSWERS

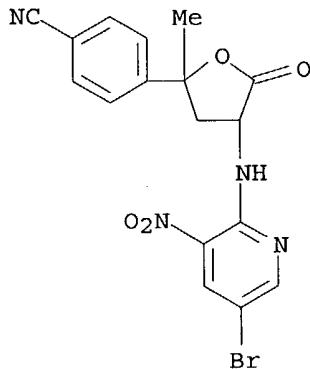
FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 849 TO 1831  
PROJECTED ANSWERS: 6 TO 266

L2

6 SEA SSS SAM L1

=> d scan

L2 6 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Pentonic acid, 2-[(5-bromo-3-nitro-2-pyridinyl)amino]-4-C-(4-cyanophenyl)-  
2,3,5-trideoxy-,  $\gamma$ -lactone (9CI)  
MF C17 H13 Br N4 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 11 ful  
FULL SEARCH INITIATED 14:57:06 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1383 TO ITERATE

100.0% PROCESSED 1383 ITERATIONS  
SEARCH TIME: 00.00.01

172 ANSWERS

L3 172 SEA SSS FUL L1

=> d tot reg

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9	RN	486448-41-3	REGISTRY
10	RN	486448-40-2	REGISTRY
11	RN	486448-39-9	REGISTRY
12	RN	486448-38-8	REGISTRY
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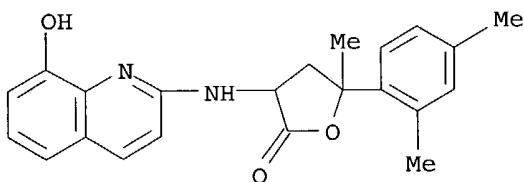
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171	RN	484052-55-3	REGISTRY
172	RN	325482-22-2	REGISTRY

=> d 68 69 sub bib abs

L3 ANSWER 68 OF 172 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 486447-75-0 REGISTRY  
CN Pentonic acid, 2,3,5-trideoxy-4-C-(2,4-dimethylphenyl)-2-[(8-hydroxy-2-  
quinolinyl)amino]-,  $\gamma$ -lactone (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C22 H22 N2 O3  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES  
(Uses)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

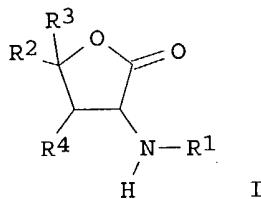
REFERENCE 1

AN 138:106595 CA  
TI Use of substituted gamma-lactone compounds as medicaments  
IN Maul, Corinna; Sundermann, Bernd; Przewosny, Michael; Hennies,  
Hagen-Heinrich  
PA Gruenenthal G.m.b.H., Germany  
SO PCT Int. Appl., 63 pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2003004016 A1 20030116 WO 2002-EP7382 20020703  
 WO 2003004016 C1 20030213  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,  
 HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
 LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,  
 UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE, SN, TD, TG  
 DE 10132726 A1 20030227 DE 2001-10132726 20010705  
 EP 1406610 A1 20040414 EP 2002-754819 20020703  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
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 PRAI DE 2001-10132726 20010705  
 WO 2002-EP7382 20020703

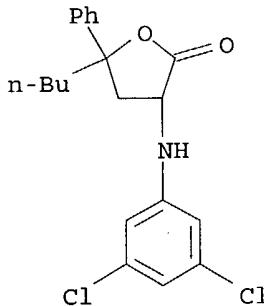
GI



AB Substituted gamma-lactone compds. [I; R1 = (un)substituted 2-pyridyl,  
 (un)substituted 2-pyrimidyl-, (un)substituted 2-quinolinyl,  
 (un)substituted 2-pyrazinyl; R2 = (un)substituted (un)branched (un)saturated  
 C1-10 aliphatic residue; R3 = (un)substituted aryl; R4 = H; etc.; e.g.,  
 3-(4,6-dimethylpyridin-2-ylamino)-5-methyl-5-p-tolyldihydrofuran-2-one  
 which demonstrated a 60% reduction of nitrogen monoxide synthase activity at  
 10  $\mu$ M], which are prepared in an automated device, are useful in the  
 production of medicines for treating septic shock, neurodegenerative diseases,  
 multiple sclerosis, Parkinsonism, Alzheimer's disease, Huntington's  
 disease, inflammation and related pain, cerebral ischemia, diabetes,  
 meningitis, arteriosclerosis, cancer, mycosis, or for promoting wound  
 healing.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 69 OF 172 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 484053-57-8 REGISTRY  
 CN 2(3H)-Furanone, 5-butyl-3-[(3,5-dichlorophenyl)amino]dihydro-5-phenyl-  
 (9CI) (CA INDEX NAME)  
 MF C20 H21 Cl2 N O2  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES  
 (Uses)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 138:89684 CA

TI Preparation of  $\gamma$ -lactones as NMDA antagonists

IN Maul, Corinna; Przewosny, Michael; Englberger, Werner

PA Gruenthal G.m.b.H., Germany

SO PCT Int. Appl., 66 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2003004483 A1 20030116 WO 2002-EP7380 20020703

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,  
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

EP 1406888 A1 20040414 EP 2002-743260 20020703

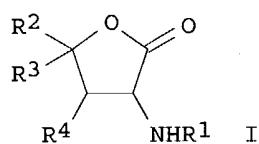
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US 2004171677 A1 20040902 US 2004-751741 20040105

PRAI DE 2001-10132725 20010705

WO 2002-EP7380 20020703

GI



AB Title compds. [I; R1 = (substituted) (hetero)aryl, (hetero)arylalkyl,  
(substituted) (saturated) (branched) (cyclo)aliphatic group; R2 = (substituted)  
(saturated) (branched) aliphatic group; R3 = (substituted) aryl; R4 = H; or

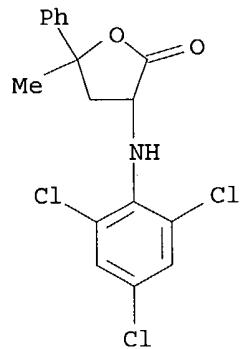
R3R4

= (substituted) (saturated) aliphatic residue if R2 = (substituted) aryl,  
(substituted) (saturated) aliphatic residue], were prepared Several I at 10  
μM showed affinity to glycine binding site of NMDA receptor channel with IC<sub>50</sub>  
= 62-80% (Ki = 0.8-1.3 μM).

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 172 sub bib abs

L3 ANSWER 172 OF 172 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 325482-22-2 REGISTRY  
CN Pentonic acid, 2,3,5-trideoxy-4-C-phenyl-2-[(2,4,6-trichlorophenyl)amino]-  
, γ-lactone (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C17 H14 Cl3 N O2  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 134:162877 CA  
TI Synthesis of α-amino γ-lactone via a novel tandem  
three-component reaction of alkenes, glyoxylates and amines  
AU Huang, T.; Li, C.-J.  
CS Department of Chemistry, Tulane University, New Orleans, LA, 70118, USA  
SO Tetrahedron Letters (2000), 41(50), 9747-9751  
CODEN: TELEAY; ISSN: 0040-4039  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
AB α-Amino γ-lactones were generated by an InCl<sub>3</sub>-mediated or  
Sc(O<sub>3</sub>SCF<sub>3</sub>)<sub>3</sub>-catalyzed three-component reaction of alkenes, glyoxylates,  
and amines.

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> fil caplus  
FILE 'CAPLUS' ENTERED AT 14:59:52 ON 09 NOV 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 9 Nov 2004 VOL 141 ISS 20

FILE LAST UPDATED: 8 Nov 2004 (20041108/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 3 L3

=> fil beil

FILE 'BEILSTEIN' ENTERED AT 15:00:30 ON 09 NOV 2004

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FILE RELOADED ON OCTOBER 20, 2002

FILE LAST UPDATED ON NOVEMBER 3, 2004

FILE COVERS 1771 TO 2004.

\*\*\* FILE CONTAINS 9,073,068 SUBSTANCES \*\*\*

>>> PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN). <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

\*\*\*\*\*  
\* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. \*  
\* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE \*  
\* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE, THESE \*  
\* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. \*  
\* FOR PRICE INFORMATION SEE HELP COST \*  
\*\*\*\*\*

NEW

\* PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE  
SEARCHED, SELECTED AND TRANSFERRED.  
\* NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES,  
ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A  
COMPOUND AT A GLANCE.

\*\*\* YOU HAVE NEW MAIL \*\*\*

=> s 11 ful  
FULL SEARCH INITIATED 15:00:36 FILE 'BEILSTEIN'  
FULL SCREEN SEARCH COMPLETED - 674 TO ITERATE

100.0% PROCESSED 674 ITERATIONS  
SEARCH TIME: 00.00.10

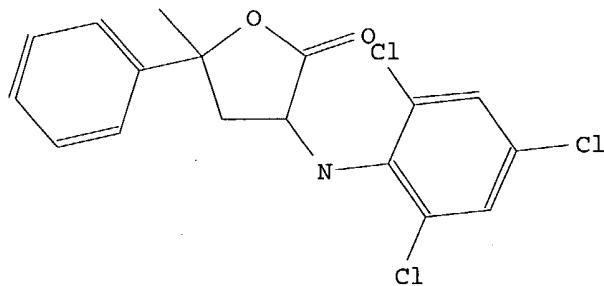
1 ANSWERS

L5 1 SEA SSS FUL L1

=> d ide

L5 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

Beilstein Records (BRN) :	8708878
Chemical Name (CN) :	5-methyl-5-phenyl-3-(2,4,6-trichloro-phenylamino)-dihydro-furan-2-one
Autonom Name (AUN) :	5-methyl-5-phenyl-3-(2,4,6-trichloro-phenylamino)-dihydro-furan-2-one
Molec. Formula (MF) :	C17 H14 Cl3 N O2
Molecular Weight (MW) :	370.66
Lawson Number (LN) :	20596, 14134
Compound Type (CTYPE) :	heterocyclic
Constitution ID (CONSID) :	7376333
Tautomer ID (TAUTID) :	8207212
Entry Date (DED) :	2001/04/26
Update Date (DUPD) :	2001/04/26



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
FS	File Segment	1
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
ED	Entry Date	1
UPD	Update Date	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
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RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

=> log h		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.33	222.41
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.98

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 15:01:28 ON 09 NOV 2004